

Title (en)

OPEN ACTIVE NOISE CANCELLATION SYSTEM

Title (de)

OFFENES AKTIVES GERÄUSCHUNTERDRÜCKUNGSSYSTEM

Title (fr)

SYSTÈME DE SUPPRESSION DE BRUIT OUVERT ACTIF

Publication

EP 3963581 A1 20220309 (EN)

Application

EP 19926809 A 20190501

Priority

US 2019030276 W 20190501

Abstract (en)

[origin: WO2020222844A1] Embodiments of the present disclosure set forth a method of reducing noise in an audio signal. The method includes determining, based on sensor data acquired from a first set of sensors, a first position of a user in an environment. The method also includes acquiring, via the first set of sensors, one or more audio signals associated with sound in the environment and identifying one or more noise elements in the one or more audio signals. The method also includes generating a first directional audio signal based on the one or more noise elements. When the first directional audio signal is outputted by a first speaker, the first speaker produces a first acoustic field that attenuates the one or more noise elements at the first position.

IPC 8 full level

G10L 25/84 (2013.01)

CPC (source: EP US)

G10K 11/17821 (2017.12 - US); **G10K 11/17823** (2017.12 - EP); **G10K 11/17873** (2017.12 - US); **G10K 11/17881** (2017.12 - EP); **G10L 21/0216** (2013.01 - US); **G10K 2210/111** (2013.01 - EP); **G10K 2210/3038** (2013.01 - US); **G10L 21/0216** (2013.01 - EP); **G10L 2021/02161** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020222844 A1 20201105; CN 113785357 A 20211210; EP 3963581 A1 20220309; EP 3963581 A4 20221214; US 2022208165 A1 20220630

DOCDB simple family (application)

US 2019030276 W 20190501; CN 201980096006 A 20190501; EP 19926809 A 20190501; US 201917607002 A 20190501